

REMARKS

At the outset, the Examiner is thanked for considering the pending application. The Office Action dated January 25, 2007 has been received and its contents carefully reviewed.

Claims 1, 6, 8, 10, 12, 13, and 14 are hereby amended. No new matter has been added. Accordingly, claims 1-16 are currently pending. Reconsideration of the pending claims is respectfully requested.

Claims 8, 9, and 12 are rejected under 35 U.S.C. 112, first paragraph, and claims 1-8 and 14-15 are rejected under 35 U.S.C. 103(a). It is noted that the new species under consideration is: for Formula (I), R₂ and R₃ are fused heteroaromatic rings and R₁ and R₄ are hydrogen; for Formula (II), R₅ and R₆ are heteroaromatic rings and R₁-R₄ are hydrogen.

The Office Action rejects claims 8-9 and 12 under 35 U.S.C. 112, first paragraph, as failing to comply with the written description. The phrase “non-purine containing” is considered to be new matter. Applicants respectfully traverse the rejection. However, to expedite prosecution of the application, Applicants have amended claims 8 and 10. Specifically, Applicants deleted the phrase “non-purine containing” and added “triazinyl.” The “triazinyl” group is not new matter, because it is shown in Compound 16 (Specification, page 14). Therefore, applicants respectfully request the withdrawal of the rejection.

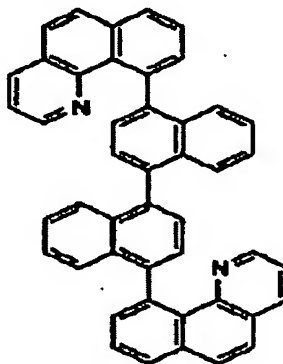
Applicants further note that amended claim 8-9 and 12 are still patentable over U.S. Patent No. 6,780,529 to Kimura (hereafter “Kimura”). For example, Kimura does not teach or suggest “a fused heteroaromatic ring of furyl, thienyl, pyridyl, quinolinyl and triazinyl” as cited in claims 8-9 and 12.

The Office Action rejects claims 14-16 under 35 U.S.C. 112, second paragraph, as being indefinite, because there is no Formula (I) shown in claim 14. Applicants respectfully traverse the rejection. However, Applicants have amended claim 14 to add Formula (I) and its elements. Accordingly, Applicants respectfully request the withdrawal of the rejection.

The Office Action rejects Claims 1, 2, 5-8, and 14-16 under 35 U.S.C. 103(a) as being unpatentable over JP 2002-324676 to Suzurisato et al. (hereafter "Suzurisato"). Applicants respectfully traverse the rejections.

To render a claimed invention obvious, the prior art reference must teach or suggest each and every element of the claim (M.P.E.P. § 2143). Suzurisato does not teach or suggest all the elements of claims 1, 2, 5-8, and 14-16. For example, Suzurisato does not teach or suggest that any other 1,1'-binaphthyl derivatives may be used for the luminescent material. Suzurisato instead teaches that Compound 2-7 (Suzurisato Specification, Paragraph 100) may be used for the luminescent material of the luminous layer, wherein Compound 2-7 is:

2-7



Amended independent claims 1, 8 and 14 recite “a fused heteroaromatic ring of furyl, thienyl, pyridyl, quinolinyl and triazinyl.” Suzurisato does not teach or suggest at least this feature of the application. Accordingly, claims 1, 8, and 14 as reading upon the species under consideration are patentable over Suzurisato. Claims 2, 5-7, and 15-16, which variously depend on claims 1, 8, and 14, are also patentable over Suzurisato at least for same reasons as claims 1, 8, and 14.

Applicants, therefore, request the withdrawal of the rejection.

The Office Action also rejects Claims 3 and 4 under 35 U.S.C. 103(a) as being unpatentable over Suzurisato in view of U.S. Patent No. 6,824,893 to Hoag et al. (hereafter “Hoag”). Combined teaching of Suzurisato and Hoag does not teach or suggest all the elements of claims 3 and 4, which depend from claim 1. As stated above, Suzurisato fails to teach or suggest “a fused heteroaromatic ring of furyl, thienyl, pyridyl, quinolinyl and triazinyl.” Hoag also fails to teach or suggest this feature. Therefore, Hoag does not cure the deficiency in Suzurisato. Accordingly, claims 3 and 4 are patentable over the combined teaching of Suzurisato and Hoag. Applicants, therefore, request the withdrawal of the rejection.

The application is in condition for allowance and early, favorable action is respectfully solicited. If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

Application No.: 10/774,577
Amdt. dated April 24, 2007
Reply to Office Action dated January 25, 2007

Docket No.: 8650.027 US

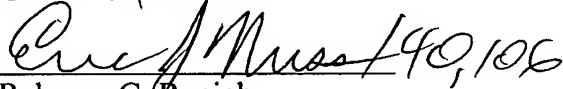
If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911, Order 08650.0027.

Please credit any

overpayment to deposit Account No. 50-0911, Order 08650.0027. A duplicate copy of this sheet is enclosed.

Dated: April 24, 2007

Respectfully submitted,

By  140,106

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